

AMENDMENT TO THE SPECIFICATION

In the paragraph on page 8, beginning on line 3 and ending on line 22, please enter the following amendments:

The present invention is not restricted to any chain transfer agent. However, the chain transfer agent should be a strong chain transfer agent - i.e., it should be capable of reacting with the growing polymer chain, terminate its further growth and subsequently initiate a new polymer chain. The type and amount of chain transfer agent is dependent upon the amount of cross-linking agent. At low concentrations of cross-linking agent, low amounts of chain transfer agent and/or a weak chain transfer agent can be employed. As the concentration of the cross-linking agent is increased, however, the chain transfer agent concentration should be increased and/or a stronger chain transfer agent should be selected. Use of a weak chain transfer agent should be avoided because too much of it can decrease the polarity of the solvent mixture and also would make the process uneconomical. The strength of the chain transfer agent may be determined conventionally, see, for example, J. Macromol. Sci.-Chem., A1(6) pp. 995-1004 (1967). A number called the transfer constant expresses its strength. According to the values published in this paper, the transfer constant of 1-butene is 0. For Example, the chain transfer agent can have a transfer coefficient of at least 10, or for example, at least 50. Non-limiting examples of useful chain transfer agents include ~~piperylene~~, 1-methylcycloheptene, 1-methyl-1-cyclopentene, 2-ethyl-1-hexene, 2,4,4-trimethyl-1-pentene, indene and mixtures thereof. Or, for example, the transfer agent can be 2,4,4-trimethyl-1-pentene.